

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An isolated electrical network ~~with, comprising:~~
at least one first power generator, ~~which uses~~ coupled to a wind turbine to
produce electrical power; a renewable energy source, wherein the power generator is preferably a
wind power station with a generator, wherein
a second generator is ~~provided, which can be coupled to an internal combustion~~
~~engine; wherein the wind power station can be controlled in terms of its rpm and blade position;~~
~~characterized in that~~
a bus bar for feeding the generated energy into the network; ~~is provided and~~
a device connected to the bus bar for detecting the power required in the network;
~~is provided;~~
at least one intermediate storage device for storing electrical energy ~~is provided;~~
~~wherein the intermediate storage device can be coupled to the first power generator; and;~~
a controller operable to, in response to the required power in the network being
less than power generated by the first power generator, first control power provided by the wind
turbine that is delivered to the network; in response to the required power if more energy is
consumed in the network being greater than power than is generated by the first power generator,
initially second control power provided by the electrical intermediate storage device that is
delivered to the network; is used for delivering power whereby intermediate storage devices of
an accumulator block type or a battery storage device are used preferably to support the network
when the power required by the network can be delivered not at all or only insufficiently from
renewable energy sourcee and in response to the detected power required in the network being
greater than the power generated by the first power generator and provided by the electrical

intermediate storage device, third control power provided by the second generator coupled to the internal combustion engine that is delivered to the network.

2. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized in that~~ wherein the first power generator ~~has~~ comprises:
a synchronous generator, ~~which contains~~; and
a converter with a dc voltage intermediate circuit with at least one first rectifier and an inverter.

3. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized by~~ wherein the electrical intermediate storage device comprises:
at least one electrical element connected to the dc voltage intermediate circuit for feeding electrical energy with dc voltage.

4. (Currently Amended) The isolated electrical network according to claim 3, ~~characterized in that~~ wherein the electrical element ~~is~~ comprises one selected from a group consisting of a photovoltaic element, ~~and/or~~ a mechanical energy storage device, ~~and/or~~ an electrochemical storage device, ~~and/or~~ a capacitor, ~~and/or~~ a chemical storage device ~~as the electrical intermediate storage device.~~

5. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized by~~ further comprising:
a flywheel, which can be coupled to the second or a third generator.

6. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized by~~ further comprising:
~~several~~ a plurality of internal combustion engines, ~~which can each~~ operable to be coupled to a generator.

7. (Currently Amended) The isolated electrical network according to claim 1, characterized by a controller for controlling the isolated electrical~~island~~ network.

8. (Currently Amended) The isolated electrical network according to claim ~~1~~2, ~~characterized by further comprising:~~

a boost/buck converter coupled between the electrical element and the dc voltage intermediate circuit.

9. (Currently Amended) The isolated electrical network according to claim ~~1~~2, ~~characterized by further comprising:~~

charging/discharging circuits coupled between the electrical storage element and the dc voltage intermediate circuit.

10. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized by further comprising:~~

a flywheel ~~with~~coupled to a generator and a downstream rectifier for supplying electrical energy into the ~~dc voltage intermediate circuit~~network.

11. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized in that further comprising:~~

at least one additional power generator coupled to a corresponding renewable energy source.

wherein all of the power generators using renewable energy sources and the intermediate storage devices power a common dc voltage intermediate circuit.

12. (Currently Amended) The isolated electrical network according to claim ~~1~~2, ~~characterized by~~ wherein the inverter comprises:

a network-commutated inverter.

13. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized in that~~ further comprising:

an electromagnetic coupling operable to couple the second generator and the internal combustion engine, wherein the energy for operating the electromagnetic coupling is made available by an electrical storage device and/or by a primary power generator.

14. (Currently Amended) The isolated network according to claim 1, ~~characterized in that~~ further comprising:

a seawater desalination/service water generation plant is connected to the isolated electrical island network, wherein this the generation plant generates service water (and drinking water), only when the power supplied by the primary first power generator is greater than the power consumption of the other electrical loads connected to the isolated electrical island network.

15. (Currently Amended) The isolated network according to claim 1, ~~characterized in that~~ further comprising:

a pump storage device is provided, which receives its operable to receive electrical energy from the primary first power generator when the power supplied by the first power generator is greater than the power consumption of the other electrical loads connected to the isolated electrical network.

16. (Currently Amended) The isolated electrical network according to claim 1 ~~with at least one first primary power generator for generating electrical energy for an electrical island network, wherein~~ further comprising:

a synchronous generator is provided, which has the function of operable as a network generator, wherein the synchronous generator can operates in a motor mode and the with energy required for the motor operation is made available by from the primary first power generator.

17. (Currently Amended) The isolated network according to claim 16, ~~characterized in that wherein the synchronous generator can be~~ is connected to an internal combustion engine, and wherein the synchronous generator which is deactivated when the electrical power of the primary first power generator is greater or approximately the same size as the electrical power consumption in the isolated electrical ~~island~~ network.

18. (Currently Amended) The isolated network according to claim 16, further comprising: and with

a bus bar coupled to the network for feeding the generated energy into the network, ~~characterized by: and~~

a device attached to the bus bar for detecting the power required in the network.

19. (Currently Amended) A method for operation control of an isolated electrical network, comprising: with at least one wind power station, characterized in that the wind power station is controlled such that a device, which is connected to a bus bar is used for
detecting the electrical power required in the network;

generating electrical power with at least one first generator driven by at least one wind-power station;

first sourcing the network with and that the at least one first generator driven by the at least one wind-power station generates the required electrical power as long as the when
consumption of the electrical power in the network is less than the electrical energy generation capacity of the wind-power station; ~~and whereby, when the required power is not met, the power generators using renewable energy sources initially use~~

second sourcing the network with the at least one first generator driven by the at least one wind-power station and at least one electrical intermediate storage device when
consumption of the electrical power in the network is less than the generated electrical power of the first generator and a stored energy capacity of the electrical intermediate storage device; and
devices for delivering energy

third sourcing the network with the at least one first generator driven by the at least one wind-power station, the at least one electrical intermediate storage device, and at least one second generator driven by at least one internal combustion engine when consumption of the electrical power in the network is greater than the generated electrical power of the first generator and the provided power of the electrical intermediate storage device.

20. (Canceled)

21. (Currently Amended) The method according to claim 19, characterized in that the internal combustion engines are provided for driving the at least one second generator, and the internal combustion engines are turned on only when the power delivered by the power generators using renewable energy sources and/or by the electrical intermediate storage devices falls below a predetermined threshold for a predetermined period of time.

22. (Currently Amended) The method according to claim 21, characterized ~~in that for further comprising:~~

charging the electrical intermediate storage device from renewable sources the at least one wind-power station; when more energy is generated by the at least one wind-power station than is required for the load on the network.

23. (Currently Amended) The method according to claim 19, ~~characterized in that for further comprising:~~

delivering energy from the electrical intermediate storage device to overcome overcoming frequency instabilities or deviations in the network power frequency from its desired value; preferably electrical intermediate storage devices are used for delivering energy, which can be frequently and quickly charged or discharged without significant irreversible losses in capacity.

24. (Canceled)

25. (Currently Amended) The isolated electrical network according to claim 1, ~~characterized in that for the case that~~ further comprising:

a synchronous generator ~~is used as a network generator for a network-commutated inverter for feeding an alternating current into an electrical power supply~~ the network, the synchronous generator works in motor operation and the a drive of the synchronous generator is realized by providing at least one of energy from a flywheel and/or by and by providing electrical energy from a renewable-energy power generator.

26. (Currently Amended) The isolated electrical network according to claim 1, characterized in that for the case that the output power of the first power generator is greater than the power of the load required in the network, initially electrical energy of the first generator is supplied to the intermediate storage device if the intermediate storage device is not ~~full~~ fully charged.

27. (New) The isolated electrical network according to claim 1 wherein the first power generator is coupled to a wind-power station.

28. (New) The isolated electrical network according to claim 27 wherein the wind-power station is controlled by at least one of a rotational speed of a wind turbine and a position of a blade.

29. (New) The isolated electrical network according to claim 1 wherein the intermediate storage device is at least one of an accumulator block type and a battery storage device.